Ham-Space Digest   Fri, 24 Jun 94   Volume 94 : Issue 166

Today's Topics:
                      * SpaceNews 20-Jun-94 *
     age-ID: <2tr5jf$b1q@search01.news.aol.com>ŸTS>Newsgroups: r
                Mods for ICW-21AT for use with Sats
                          Trakbox help
                          WX FTP sites.

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 20 Jun 1994 12:02:42 MDT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!
ve6mgs!usenet@network.ucsd.edu
Subject: * SpaceNews 20-Jun-94 *
To: ham-space@ucsd.edu

SB NEWS @ AMSAT $SPC0620
* SpaceNews 20-Jun-94 *

BID: $SPC0620

                         =========
                         SpaceNews
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SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is
published every week and is made available for unlimited distribution.

* IMPACT WITH JUPITER *
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JPL's Galileo spacecraft is scheduled to observe 16 of the 21 possible
impacts of the fragments of Comet Shoemaker-Levy-9 with Jupiter this July,
according to project scientist Dr. Torrence Johnson. Galileo is scheduled
to observe 16 of the 21 possible impacts of the fragments of Comet
Shoemaker-Levy-9 with Jupiter this July.

Galileo, however, won't be alone in keeping its eyes on Jupiter. Although
the Galileo spacecraft will be in the best position to view Comet
Shoemaker-Levy-9's impact with Jupiter, Voyager 2 and the Ulysses spacecraft
will record various measurements from the event.

On its way out of the solar system, Voyager 2 will be heading south, about
6 billion kilometers (3.7 billion miles) from Jupiter, and will have the
comet's impact sites in its line of sight. The spacecraft will observe with
its ultraviolet spectrometer and planetary radio astronomy instrument, and
numerical data will be returned in real time.

The Ulysses spacecraft, on its way to explore the sun's polar regions, will
be able to make measurements of radio and plasma waves from the comet's
impact from its position at about 75 degrees south of the sun's equator and
about 800 million kilometers (500 million miles) from Jupiter.

JPL's Deep Space Network facility at Goldstone, California will perform
radio astronomy on the synchrotron emission from Jupiter's radiation belt,
looking for disturbances caused by Shoemaker-Levy dust.

[Info via Ron Baalke at JPL]

* MIR NEWS *
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Progress M-23 docked with the Mir complex at 0618 UTC on May 24. The EO-15
commander and flight engineer, Viktor Afanas'ev and Yuriy Usachyov, will be
replaced this month by the EO-16 crew, Yuriy Malenchenko and Talgat
Musabaev, who will be launched on the Soyuz TM-19 ferry ship on June 20.
Physician-cosmonaut Valeriy Polyakov will remain aboard Mir. Both
Malenchenko, a Russian Air Force cosmonaut, and Musabaev, a Kazakh Space
Agency cosmonaut, will be on their first flights.

* AO-10 NEWS *
==============
JH0OTM in Japan reports getting a strong return downlink from AMSAT-OSCAR-10
on 13-Jun-94 at 23:30 UTC. The beacon carrier on 145.810 MHz was also
strong at a range of 23000 km. With signals from AO-10 steadily improving,
JH0OTM is looking forward to making contacts via AO-10's Mode B transponder.

* DOVE NEWS *
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DOVE-OSCAR-17 continues to exercise its voice capabilities. Downlinks
can be heard on 145.825 MHz FM. The following packet frame was received
from by spacecraft by KD2BD late last week:

DOVE-1>BRAMST <UI>:

Greetings to attendees at the ARRL National Convention and
Education Forum from the DOVE Command Team
(WD0E)

* SPACE CALENDAR *
==================
The following is a tentative calendar of space related events for the
next several weeks.

Jun 20-23 - International Conference of Environmental Systems, Germany
Jun 24 - UHF Follow-On Atlas Launch
Jun 24 - Soyuz TM-19 Launch (Russian)
Jun 25-26 - Space Auction, Superior Galleries, Beverly Hills, California
Jun 25-26 - Universe 94 Conference, Flagstaff, Arizona
Jun 27 - Ulysses, Begin of 1st Solar Passage (-70.07 degrees latitude)

Jul 04 - Soyuz TM-18 Landing (Russian)
Jul 08 - STS-65, Columbia, International Microgravity Lab #2 (IML-2)
Jul 09 - 15th Anniversary (1979), Voyager 2, Jupiter Flyby
Jul 11 - 15th Anniversary (1979), Skylab Re-enters Earth's Atmosphere
Jul 16-22 - Comet Shoemaker-Levy 1993e Collision with Jupiter
Jul 16 - 25th Anniversary (1969), Apollo 11 Launch
Jul 20 - 25th Anniversary (1969), Man on the Moon (Apollo 11)
Jul 28 - 30th Anniversary (1964), Ranger 7 Launch (Moon Impact Mission)
Jul 28 - DirectTV Atlas II Launch
Jul 31 - 25th Anniversary (1969), Mariner 6, Mars Flyby

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* FO-20 NEWS *
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On 19-May-94, the FO-20 command station announced that a problem exists
in FO-20's onboard computer system.  The satellite's transponder will
remain in the analog mode (JA) until further notice.

[Info via Kazu Sakamoto, JJ1WTK]


* THANKS! *
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Thanks to all those who sent messages of appreciation to SpaceNews,
especially:


         N1OHJ       ON1EN       VK3DHT       KJ5TF       VK5KCI



* FEEDBACK/INPUT WELCOMED *
===========================
Mail to SpaceNews should be directed to the editor (John, KD2BD) via any
of the following paths:

FAX      : 1-908-747-7107
PACKET   : KD2BD @ N2KZH.NJ.USA.NA
INTERNET : kd2bd@amsat.org -or- magliaco@pilot.njin.net

MAIL     : John A. Magliacane, KD2BD
           Department of Engineering and Technology
           Advanced Technology Center
           Brookdale Community College
           Lincroft, New Jersey  07738
           U.S.A.


      <<=- SpaceNews: The first amateur newsletter read in space! -=>>

/EX

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John A. Magliacane, KD2BD   * /\/\ * Voice   : 1-908-224-2948
Advanced Technology Center  |/\/\/\| Packet  : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |\/\/\/| Internet: magliaco@pilot.njin.net
Lincroft, NJ  07738         * \/\/ * Morse   : -.-  -..  ..---  -...  -..

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Date: Wed, 22 Jun 94 16:39:00 -0500
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!math.ohio-state.edu!
magnus.acs.ohio-state.edu!csn!cateye!:tomsunman@network.ucsd.edu
Subject: age-ID: <2tr5jf$b1q@search01.news.aol.com>ŸTS>Newsgroups: r
To: ham-space@ucsd.edu

radio.amateur.space
TS>Organization: America Online, Inc. (1-800-827-6364)

TS>   I've been saving the 2 line element sets from this newsgroup and
TS>they are NOT working with stsorbit plus. I remove the info before the
TS>actual set and the program will not read it. I don't quite understand
TS>why. Any help would be appreciated through e-mail. In the meantime,
TS>I'll have to go elsewhere for the latest sets. Thanks!

TS>Tom

TS>randall@sunydutchess.edu

I believe that the information posted in r.radio.space is in the form of
Keplerian data and the stsplus software uses 2-line element sets. While
these contain essentially the same data, the format is different.

However, the version of the software I have contains an option to
manually input the Kep data from the posted listing and it (the
software) builds the 2-line element set. I can't remember offhand just
what version I have......

Someone who uses this stuff regularily can probably give a better
explaination.....

_____Internet: jeff.sigley@mgmtsys.com   Amateur: N8UBI_____

≥ CmpQwk #UNREG≥ UNREGISTERED EVALUATION COPY

Date: Thu, 23 Jun 1994 20:26:55 GMT
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!dora!
etuggle@network.ucsd.edu
Subject: Mods for ICW-21AT for use with Sats
To: ham-space@ucsd.edu

This may be a dumb question, but I'll ask it anyhow...

Is there a mod to allow me to transmit below 440MHz
(ie. 430 - 440)? I know FM is not used below 440MHz

but AO-21's uplink freq is in that range.

Thanx for any help.

73,
Eddie
KB0LZZ, Parker Colorado

--
Eddie D. Tuggle, etuggle@dora.auc.trw.com | "There is nothing either good or
TRW Denver Operations | bad, but thinking makes it so."
16201 Centretech Pky / Aurora, CO 80011 | -- SHAKESPEARE
Voice: 303.360.4001 FAX: 303.360.4133 |

Date: 23 Jun 1994 13:55:31 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!EU.net!sunic!news.funet.fi!
zippo.uwasa.fi!mkl@network.ucsd.edu
Subject: Trakbox help
To: ham-space@ucsd.edu

Gear: Trakbox with 3.20beta ROM
     Yaesu 736R

Problem: Can't get CAT control to work

I have connected the CAT control from CN4 pins 2 (inverted TTL)
and 5 (GND). Now and then the radio goes into CAT mode but it
won't trak the frequency right. Are there any quirks to get it
working properly?

If you have a similar configuration please write and tell me
about how it works for you.

--
Markus

Date: 23 Jun 94 18:22:40 GMT
From: news-mail-gateway@ucsd.edu
Subject: WX FTP sites.
To: ham-space@ucsd.edu

The following is a list of anonymous FTP sites where metereological
images in GIF format can be found.

73 de Guillermo.

=-=
CLIMLIST Mailing Number 92-08-19
Forwarded From: USENET newsgroup sci.geo.meteorology
Origin: ilana@ncar.ucar.edu

  ==Current weather GIFs via FTP==

vmd.cso.uiuc.edu   [128.174.5.98]
  FTP: Change directory to "wx" and set transfer type to "binary".
GOES-7 visible and IR imagery over the US and Mexico, and surface analyses
over the US, are available. A script to retrieve GIFs automatically is
available from the ncardata FTP area (see below).
  Also available in this directory are SPOTFREQ.DOC and CHASE-TV.DOC,
lists of ham radio frequencies and TV stations which carry useful info
for storm chasers, and a few other useful documents.

uriacc.uri.edu   [131.128.1.1]
  FTP: Change directory to "davet.195" and set transfer type to "binary".
Images of the northeast US in GIF format from the afternoon passes of
NOAA-11. (Provided by Dave Tetreault, DAVET@uriacc.uri.edu.)

unidata.ucar.edu   [128.117.140.3]
  FTP: Change directory to "images" and set transfer type to "binary".
Weather radar summary map GIFS, surface maps for various places, a few
soundings on skew-t log-p diagrams, GOES Hugo images (in subdirectory
"images/hugo"). Surface maps include Europe and China.

cumulus.met.ed.ac.uk
  FTP: Change directory to "images" and set transfer type to "binary".
IR and visibal images of Europe from Meteosat, twice daily, in 1152 x 900
GIF format (size of Sun root window). The subdirectory "gifs" has smaller
3x daily images of the Nordic areas, the UK, and Europe.

marlin.jcu.edu.au   [137.219.16.14]
  FTP: GMS-4 images updated regularly for various Australian states,
the entire country, and for regions/events of interest such as TOGA/COARE.
The images are in a format designed for the package JCUMetSat but can
be converted to GIF format using the ALCHEMY public domain software
available at this site.

ats.orst.edu   [128.193.120.19]
  FTP: GOES IR and VIS images over North and Central America, plus a
"floater" image which "could be anything." Also Oregon and US city
forecasts.

aurelie.soest.hawaii.edu [128.171.151.121]

FTP: Sea-Surface-Temperature data (near-real-time) in "pub/avhrr/images".
 AVHRR images within the radius of reception of the university's HRPT station,
 approximately 5 S to 45 N and 125 W to 165 E. The processed images are
 available usually within 30 min. of NOAA-11 and NOAA-12 passages. Data are
 compressed binary in netCDF format (get documentation from unidata.ucar.edu,
 above) labelled by satellite name (n11/n12) and time. More info available
 from hrpt@hokulea.soest.hawaii.edu.

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End of Ham-Space Digest V94 #166
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